



SAFETY DATA SHEET

SECTION 1: Identification

Product Name: SelenoSource® AF 2000

Chemical Name: Selenium Yeast, Dry

Recommended Use: Selenium Yeast contains up to 2,500 mg/kg (2,500 ppm) of selenium. Excess feeding and prolonged exposure to selenium is potentially toxic to animals and humans. Follow label directions and employ all protective measures. The addition to feed of higher levels of this premix containing selenium is not permitted.

Manufacturer: Diamond V
PO Box 74570
Cedar Rapids, Iowa 52407

Emergency: (319) 366-0745
(800) 373-7234 (outside Iowa)

Telephone: Same

SECTION 2: Hazards Identification

Classification: No significant hazard

Signal word: Not applicable

Hazard statement(s): Not applicable

Precautionary statement(s): Not applicable

SECTION 3: Composition/Information on Ingredients

Chemical Name	CAS #	%
Selenium	7782-49-2	0.3%

SECTION 4: First Aid Measures

Inhalation: Move the exposed person to fresh air. If you feel unwell, seek medical advice (show the label where possible).

Eye: Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.

Skin: Wash off with soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms occur.

Ingestion: Induce vomiting if large quantities are ingested; seek immediate medical attention.

Most important symptoms/effects, acute and delayed:

Prolonged or repeated exposure may cause toxic accumulation of selenium.

Inhalation: Irritating to respiratory system.

Eye contact: Irritating to eyes

Skin contact: None

Ingestion: Estimated safe, daily dietary intake is 10-75 mcg/day.

SECTION 5: Fire-Fighting Measures

Suitable extinguishing media: Water spray – dry chemical – CO₂

Specific hazards arising from the chemical: None

Special protective equipment and precautions: Wear self-contained breathing apparatus and protective clothing. Control dust.

SECTION 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Control and contain loose material and dust.

Environmental precautions:

Do not allow material to enter drains.

Methods and material for containment and cleaning up:

Sweep up. Transfer to suitable, labeled containers for disposal.

SECTION 7: Handling and Storage

Precautions for safe handling: NA

Conditions for safe storage, including any incompatibilities:

Store in cool, dry area.

SECTION 8: Exposure Controls/Personal Protection

Exposure Guidelines:

Component	OSHA PEL	ACGIH® TLV®	Other Limits
Selenium	0.2 mg/m ³	0.2 mg/m ³	Not established

Engineering Controls: Ensure adequate ventilation of the working area.

Eye Protection: Safety glasses, face shield, or goggles.

Skin Protection: Latex or nitrile gloves

Respiratory Protection: NIOSH-approved nuisance dust respirator.

Other Preventive Measures: Good manufacturing practice

SECTION 9: Physical and Chemical Properties

Appearance:	Light tan color	Physical State:	Solid
Odor:	Yeast aroma	Vapor Pressure:	Not applicable
pH:	Not applicable	Percent Volatile:	Not applicable
Vapor Density (Air = 1)	Not applicable	Specific Gravity:	Not available
Evaporation Rate:	Not applicable	Density, lb/in³:	Not available
Solubility in Water:	Insoluble	Lower Explosive Limit (%):	None
Melting Point:	Not available	Upper Explosive Limit (%):	None
Flash Point:	Not applicable		
Autoignition Temperature:	Not applicable		

SECTION 10: Stability and Reactivity

Chemical Stability:	Stable
Conditions To Avoid:	None
Incompatible Materials:	Acids strong oxidizing agents.
Hazardous Decomposition Products:	Unknown
Possibility of Hazardous Reactions:	Will not occur

SECTION 11: Toxicology Information

Information on toxicological effects:

No substance is present at a concentration level which presents a health or environmental hazard.

SECTION 12: Ecological Information

Toxicity:	No data is available
Persistence an degradability:	No data is available
Bioaccumulative potential:	No data is available
Mobility in soil:	No data is available
Results of PBT and vPvB assessment:	No data is available
Other adverse effects.	No data is available

SECTION 13: Disposal Considerations

Waste disposal methods:

Observe all local, state, and federal environmental regulations.

SECTION 14: Transport Information

Not applicable

SECTION 15: Regulatory Information

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR 355):

Not applicable

SARA Title III Section 311/312 Hazardous Categorization (40 CFR 370):

OSHA defines this material as hazardous under 29 CFR 1910.1200.

SARA Title III Section 313 Toxic Chemicals (40 CFR 372):

Subject to reporting requirements – selenium compounds

SECTION 16: Other Information

References

ACGIH® Threshold Limit Values (TLV®) (2013)

International Agency for Research on Cancer (IARC) Monographs

National Library of Medicine (NLM) Databases:

ChemID

Integrated Risk Information (IRIS)

International Toxicity Estimates for Risk (ITER)

Chemical Carcinogenesis Risk Information System (CCRIS)

Hazardous Substances Data Bank (HSDB)

OSHA General Industry Standards (29 CFR 1910)

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Preparation information

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